

CLAIM OR CLAIMS

WHAT IS CLAIMED IS:

1. A system for simultaneous ACLR measurements comprising:

5 a down conversion system for receiving a wideband signal as an input
and providing a corresponding wideband signal as an output;

 a wideband channel having the corresponding wideband signal as an
input and providing a high speed, low resolution data stream as an output;

 a narrow band channel having the corresponding wideband signal as
10 an input and providing a low speed, high resolution data stream as an output;
and

 means for processing the respective data streams to produce the
simultaneous ACLR measurements.

15 2. The system as recited in claim 1 wherein the narrow band channel
comprises:

 a tunable IF frequency converter having the corresponding wideband
signal as an input and providing a narrow band signal as an output; and

 a low speed, high resolution ADC having the narrow band signal as an
20 input and providing the low speed, high resolution data stream as an output.

3. The system as recited in claims 1 or 2 wherein the wideband channel
comprises:

 an IF frequency converter having the corresponding wideband signal

as an input and providing a converted wideband signal as an output; and
a high speed, low resolution ADC having the converted wideband
signal as an input and providing the high speed, low resolution data stream as
an output.

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4. The system as recited in claim 3 wherein the corresponding wideband
signal input to the tunable IF frequency converter comprises the converted
wideband signal.

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5. The system as recited in claims 1 or 2 wherein the wideband channel
comprises a high speed, low resolution ADC having the corresponding
wideband signal as an input and providing the high speed, low resolution data
stream as an output.